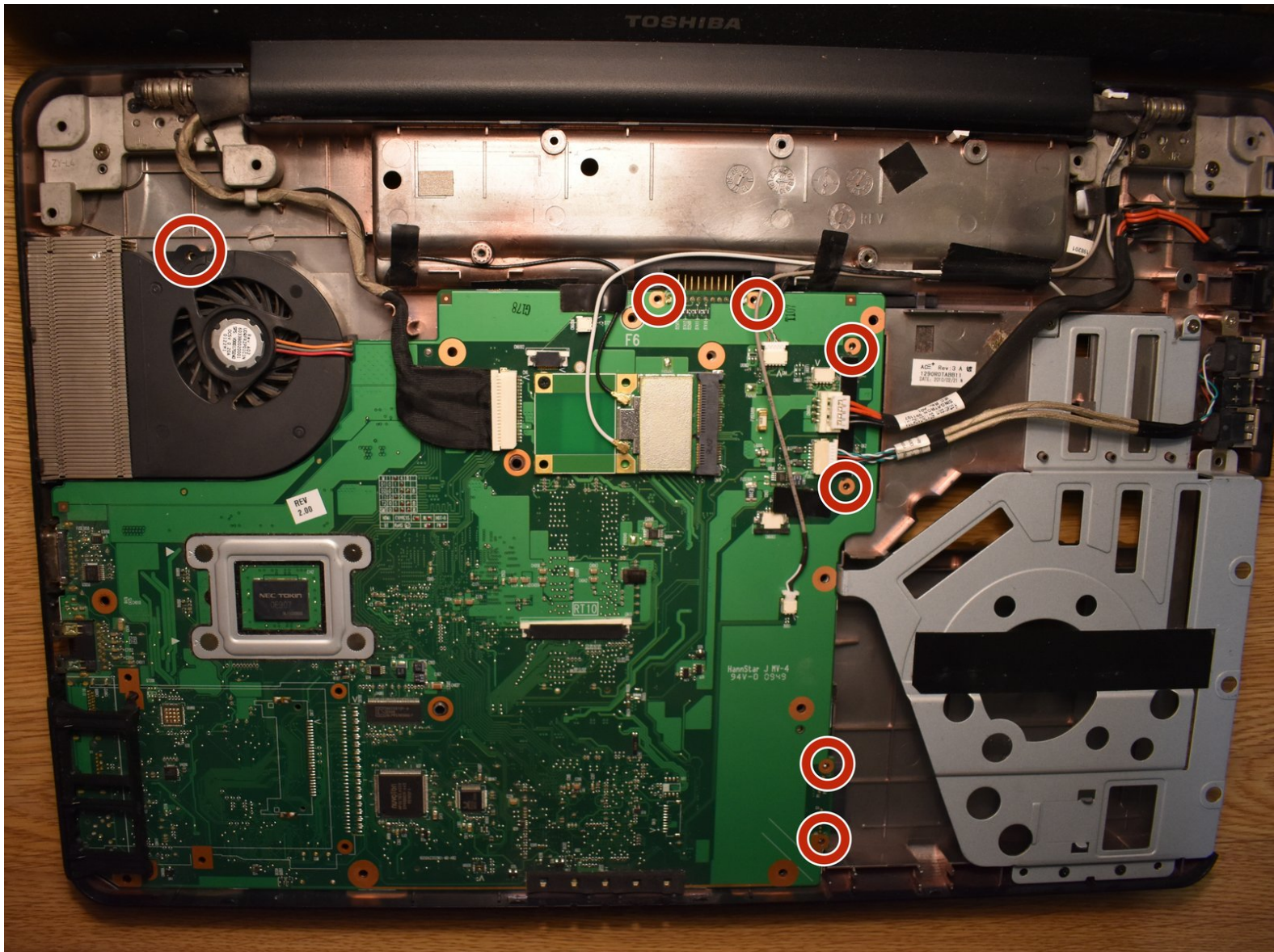# Toshiba Satellite L505 Laptop Motherboard Replacement

The purpose of this guide is to replace the motherboard on the Toshiba Satellite L505 Laptop

Written By: Matias

INTRODUCTION

The primary purpose of the motherboard is to connect and communicate with other components of the laptop. Having a damaged motherboard can cause damage to other components and prevent the laptop from functioning. This guide will help you replace the motherboard.
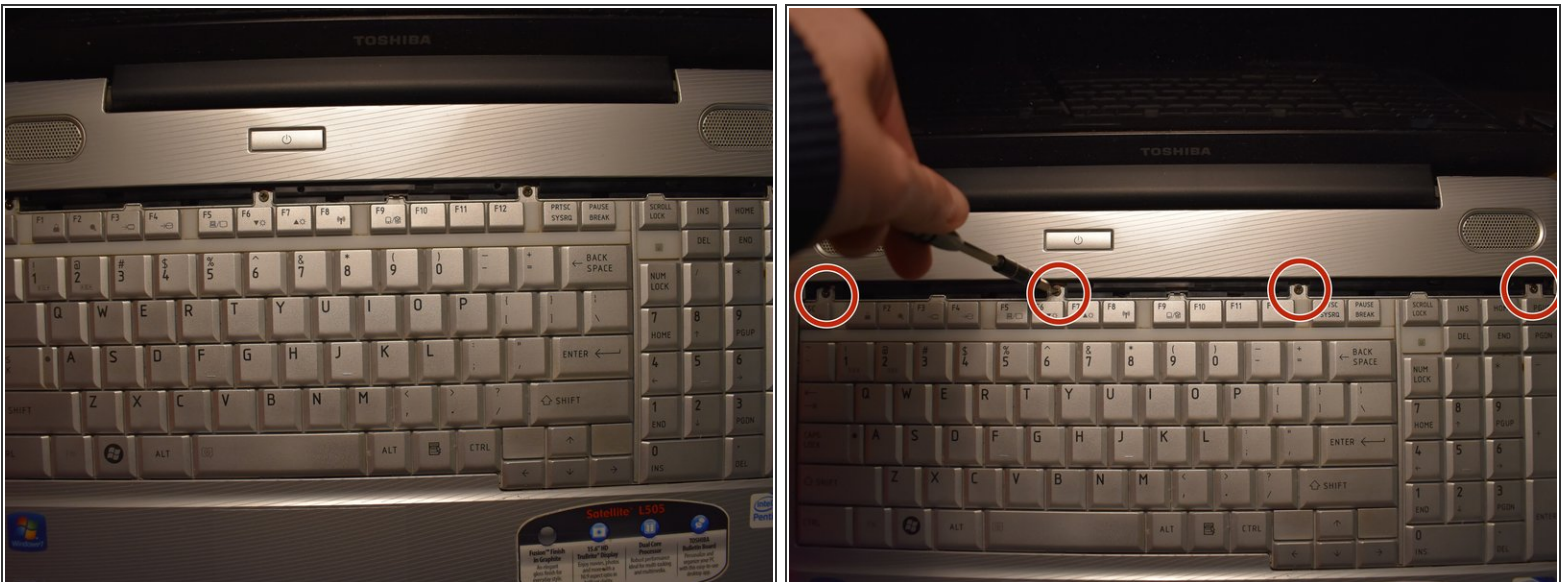
🔧 TOOLS:

- Phillips #1 Screwdriver (1)
- iFixit Opening Tools (1)
- ESD-safe pry tool (1)

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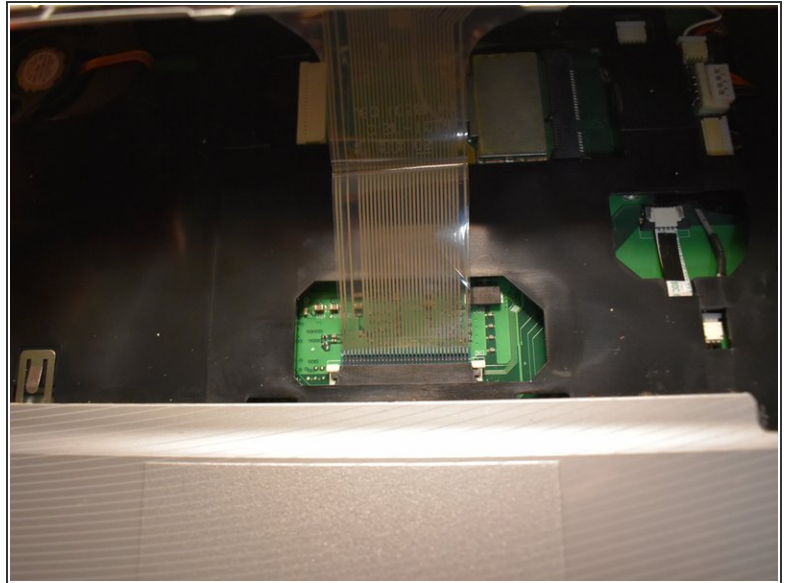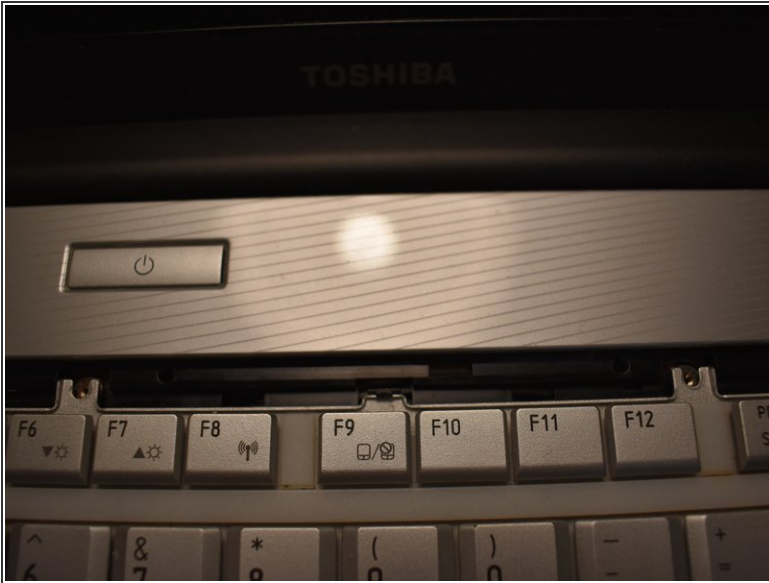
Step 1 — Keyboard

- Open the laptop and locate the plastic strip just above the keyboard.

- With care, slide the prying tool into an end and lift it up until you hear an audible click, meaning it has separated.

- Slowly slide a finger or the prying tool under and follow the strip to the opposite end, completely detaching the strip.
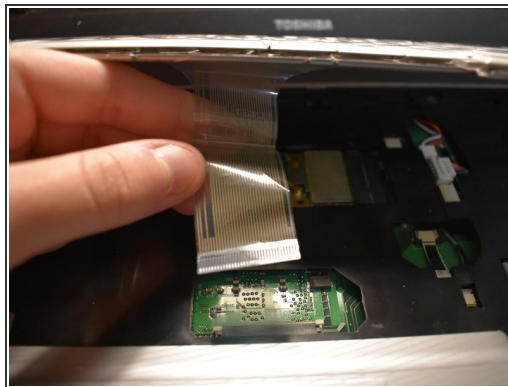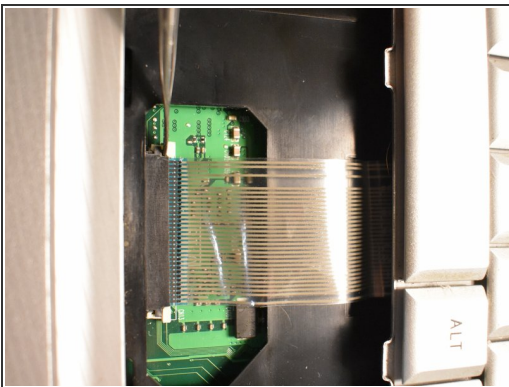
Step 2

- Remove the four screws using the Phillips #1 screwdriver.

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Step 3

- Gently push the clip back as you lift the top of the keyboard towards you.

- (i) There is a cable connecting the keyboard to the motherboard so do not lift the keyboard all the way out yet.

Step 4

- Gently disconnect the connector strip by pushing the white clips forward.

- Carefully pull the strip out of its port.

- Remove the keyboard from the device.

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Step 5 — Optical Drive

- Turn the laptop upside down.

- Remove the screw labeled F4 using the Phillips #1 screwdriver.

- ⓘ There are 2 screws labeled F4, the correct screw is the one closer to the hard drive.
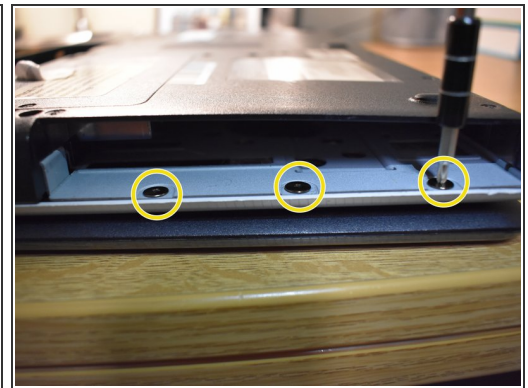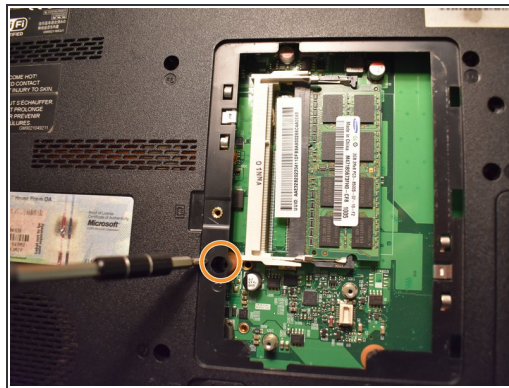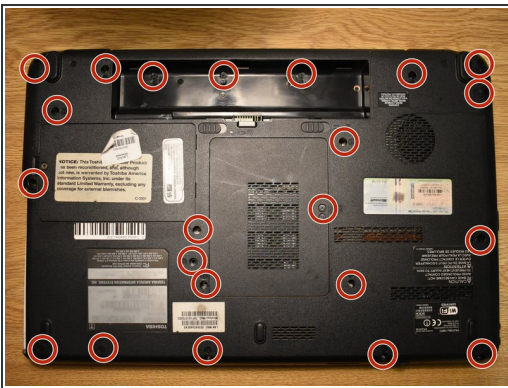
Step 6

- Gently slide the optical drive out of the device.

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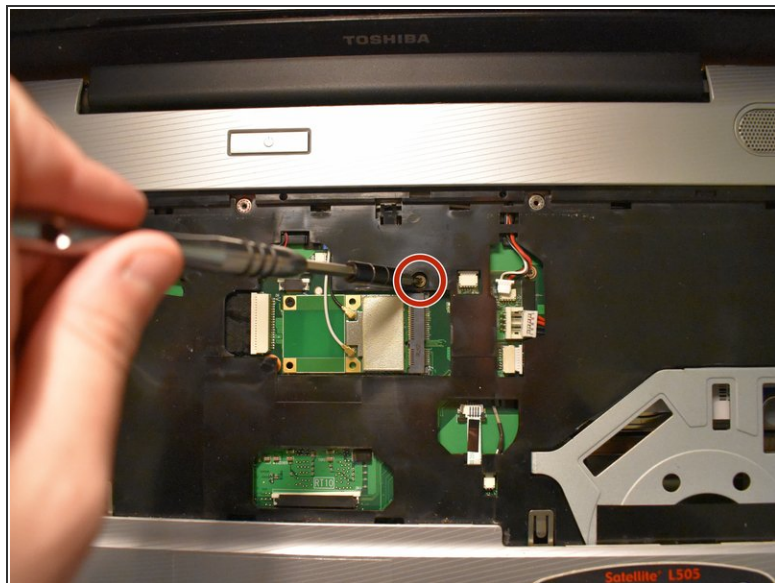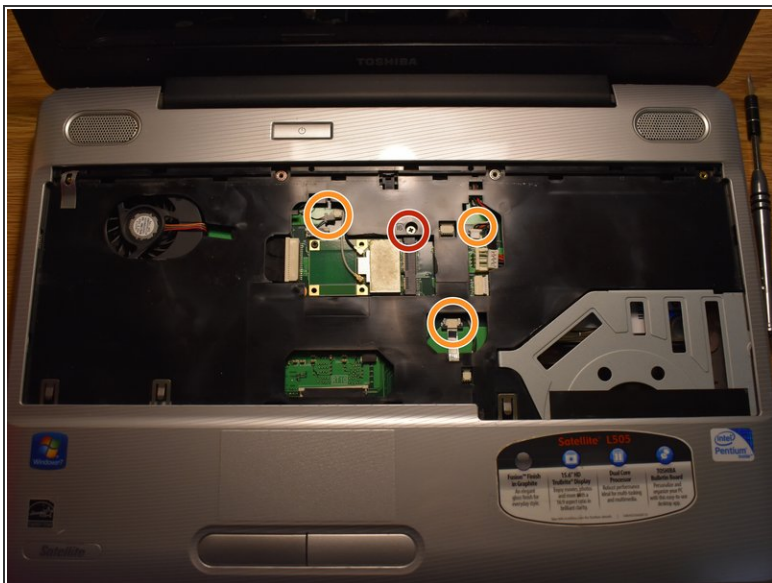
Step 7 — Battery

- Turn your laptop upside down, at the bottom of the laptop, slide the right sliding lock to the unlocked position.

- Slide the left sliding lock to the left and hold it. Using your fingers lift the battery out.
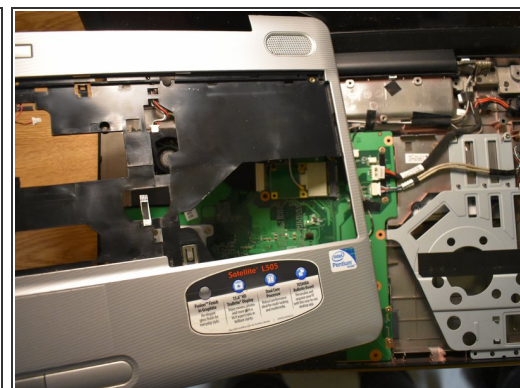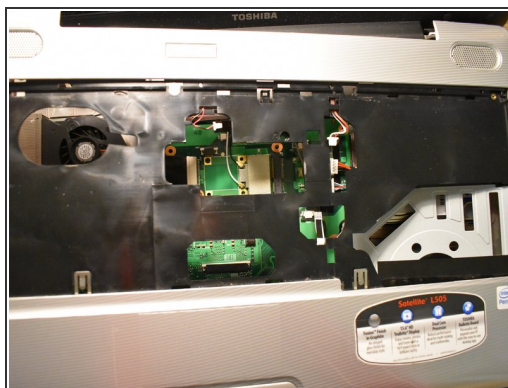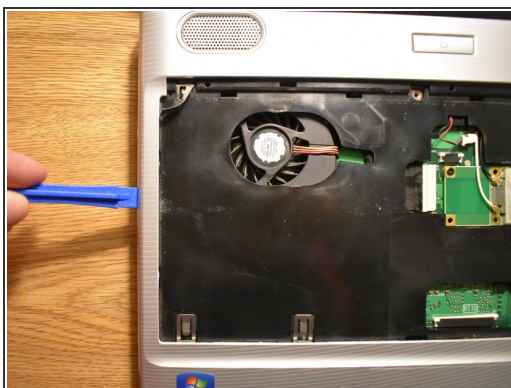
Step 8 — Palm Rest Assembly

- Unscrew all of the screws marked on the underside of the laptop.

- Remove the screw marked in the second photo by lifting up the lid and unscrewing using a Phillips #1 screwdriver.

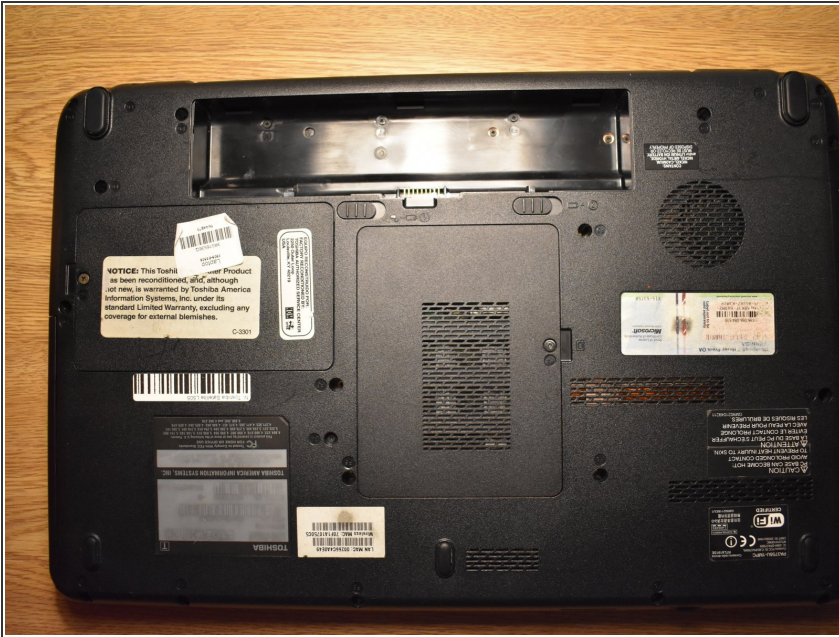- Remove the three flat screws in the port where the Optical drive is housed in.

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Step 9

- Remove the keyboard and once that has been done, remove the screw marked "16."

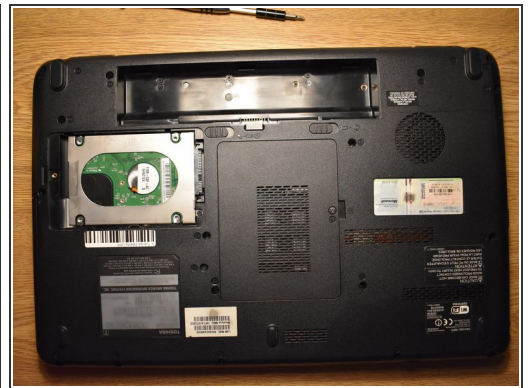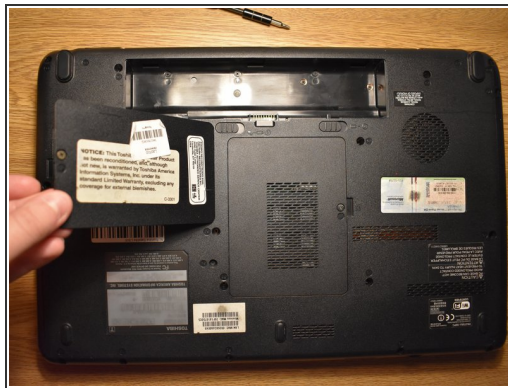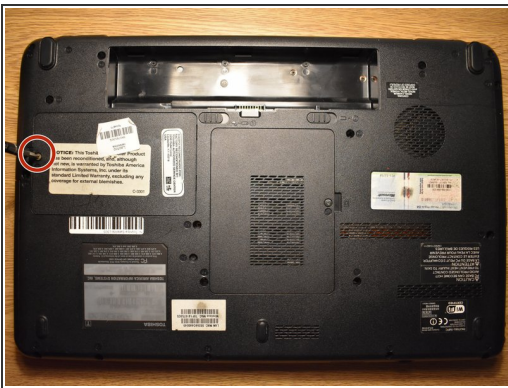- Disconnect all of the cables with a blue circle.

Step 10

- Using the opening tool, carefully go around the edge and loosen the palm-rest assembly, until you can comfortably and easily lift it off.

Step 11 — Hard Drive

- Turn the laptop upside down.
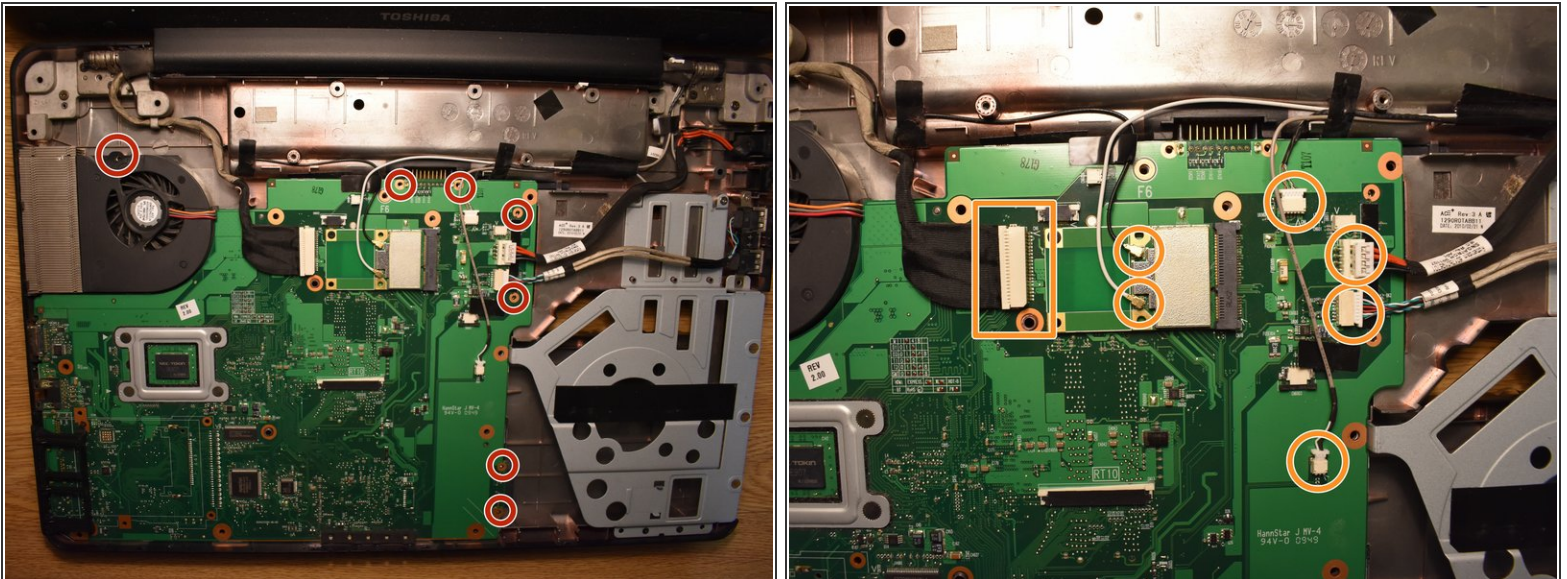
Step 12

- Unscrew the screw using a Phillips #1 screwdriver.

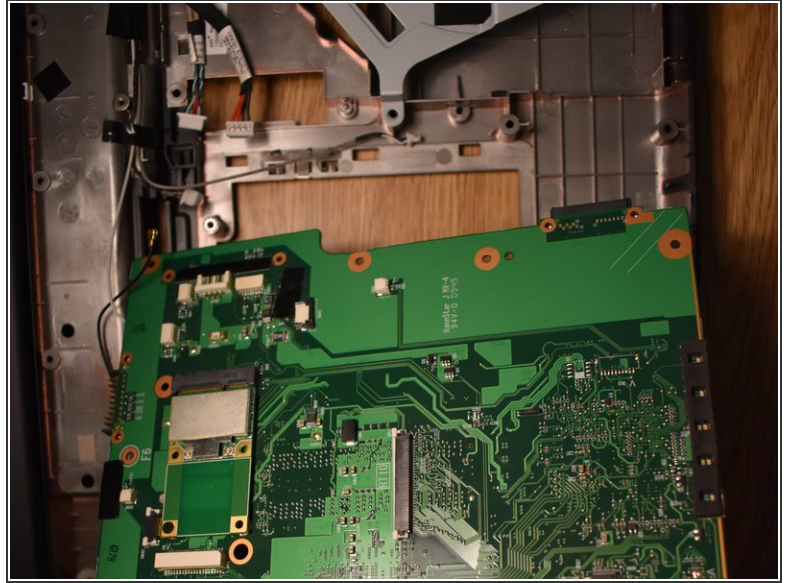- Lift and remove the cover from the device.

Step 13

- Unscrew the circled screw and set it aside.

- With the laptop oriented with the battery at the top, slide the hard drive component to the left until it clicks.

- Gently lift up to remove the hard drive from its compartment.

Step 14 — Motherboard

- Once the Motherboard is exposed, unscrew the screws circled in red.

- Afterwards, gently unplug all the wires connected to the motherboard.

Step 15

- Once ready to remove the motherboard, carefully pry it away from the bottom first, as to not risk damage to the chassis, since the volume wheel sticks out of the motherboard to the exterior.

To reassemble your device, follow these instructions in reverse order.